

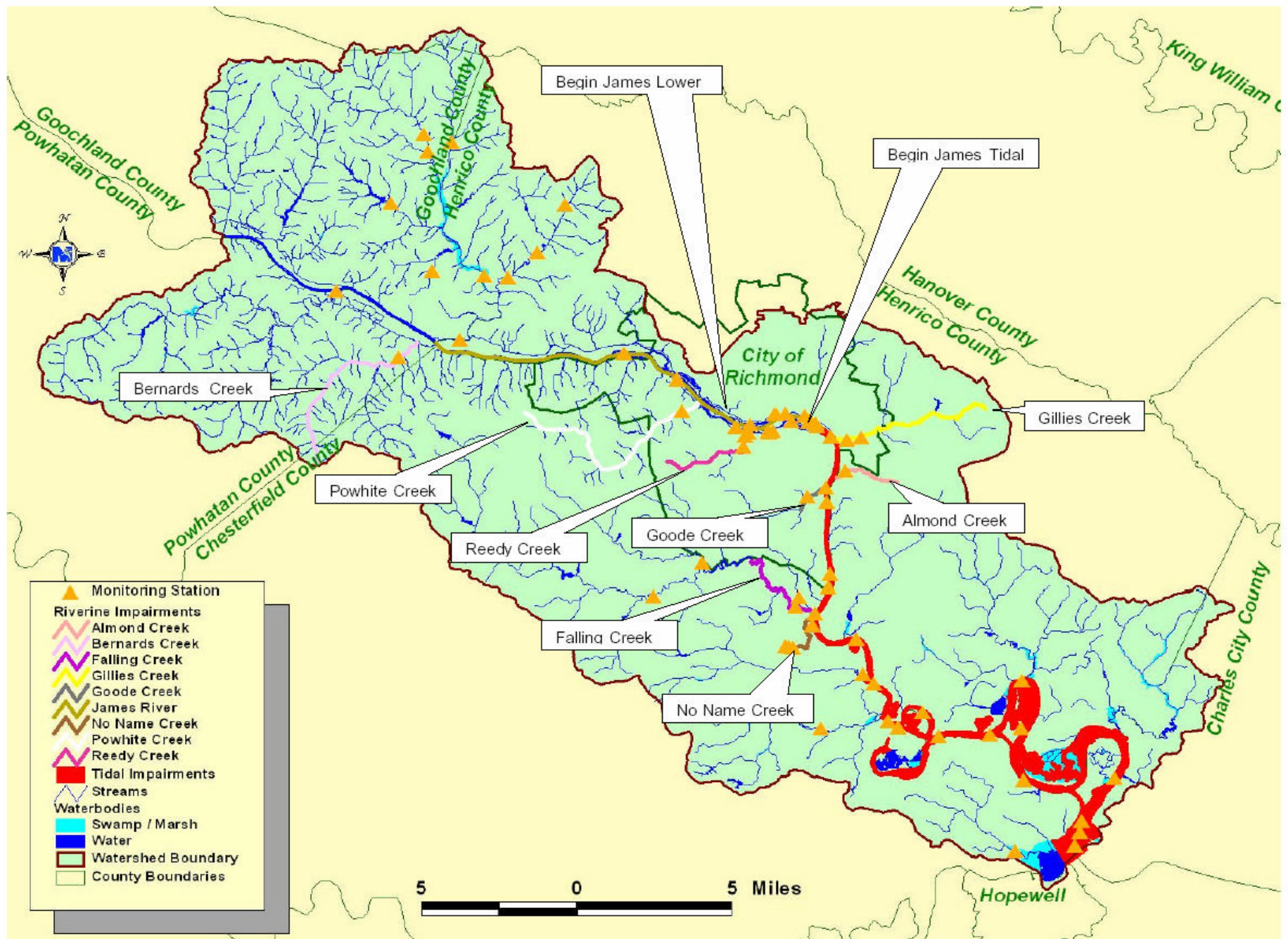
Final Public Meeting for Bacteria TMDL Development James River – City of Richmond

**Includes Bernards, Powhite, Reedy, Gillie, Almond, Goode,
Falling Creek, No Name Creek, James River Lower (non-tidal),
James River (tidal)**

Final Public Meetings

**March 10, 2009
Richmond, VA**





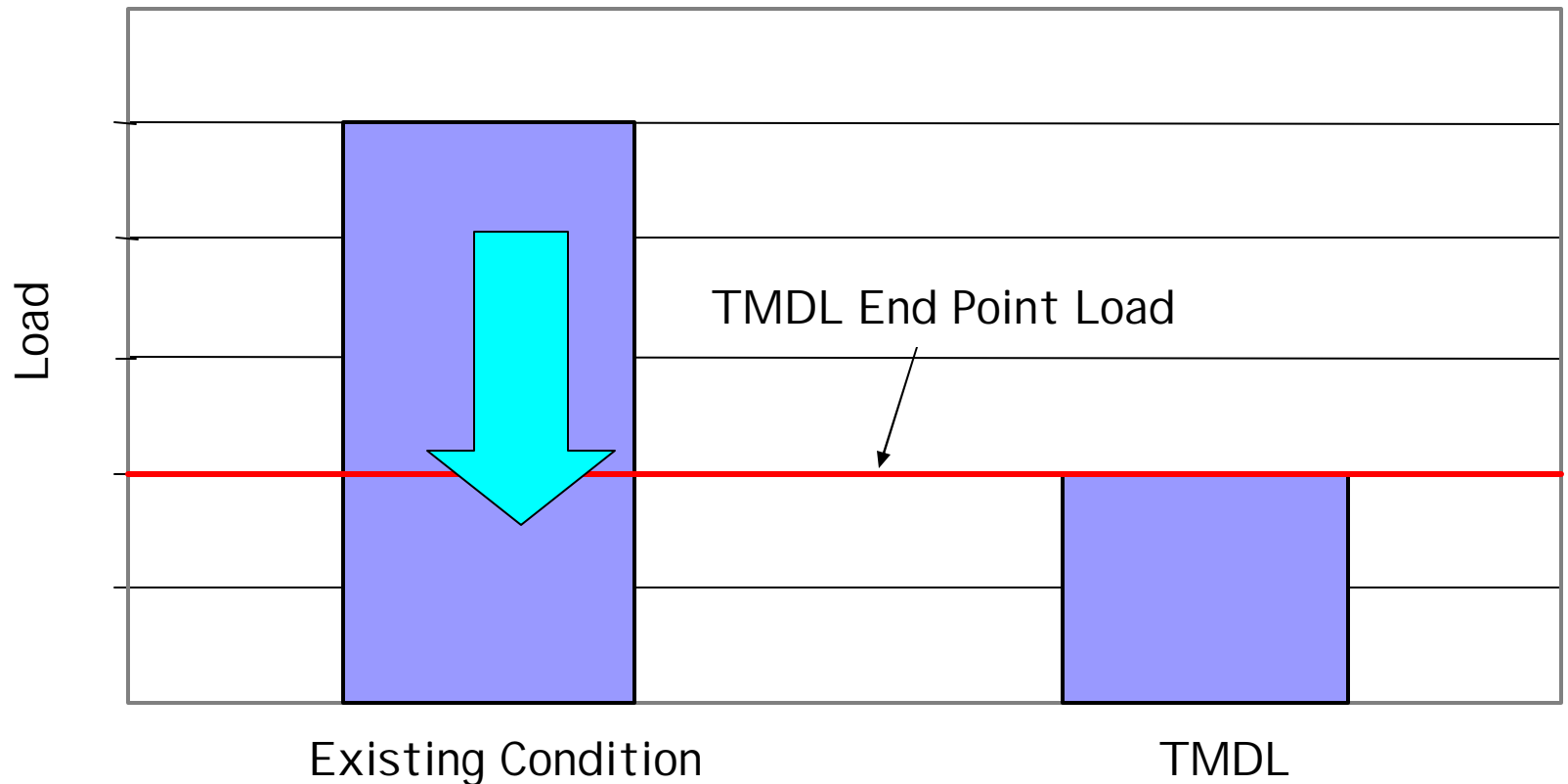
What is a TMDL?

TMDL = Total Maximum Daily Load =
maximum amount of a pollutant that
can exist in a waterbody without
violating water quality standards (WQS)



WQS = numeric or narrative limits on
pollutants that ensure the protection of
human health and of aquatic life

An Example TMDL



Reducing existing bacteria load to the TMDL end point load is expected to restore water quality.

Why are TMDL studies necessary?

- ❑ TMDLs must be developed for water bodies that do not meet water quality standards (impaired waters).
- ❑ Impaired waters occur throughout Virginia in lakes, streams, and tidal waters.
- ❑ In Virginia, >1700 TMDLs due by 2020

People involved in the Process:

- ❑ Virginia Department of Health
- ❑ Virginia Department of Conservation and Recreation
- ❑ Virginia Department of Environmental Quality
- ❑ Other State Agencies, Local Governments and Planning Districts
- ❑ U.S. Environmental Protection Agency and other appropriate federal agencies
- ❑ Citizens groups, educational institutions environmental groups, & local business
- ❑ **YOU!**

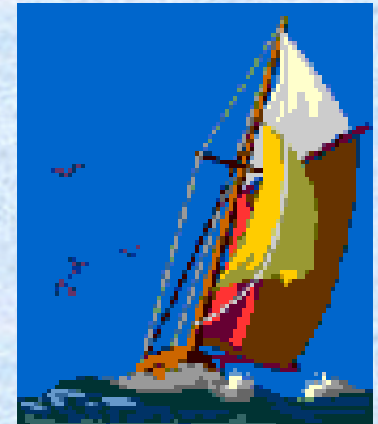


What information is used to develop a TMDL?

- ❑ Bacteria monitoring data
- ❑ Population estimates for humans, pets, wildlife, livestock (Census, VIMS, DCR, DGIF, & the public)
- ❑ Affected waters flow & volume
- ❑ Bacterial Source Tracking Data (BST)
- ❑ Land Use, Climate, Tide, etc.
- ❑ DEQ permit data
- ❑ DEQ spill response and remediation data

Virginia's TMDL Development Process

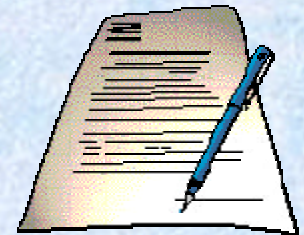
- ❑ Public notice for TMDL development
- ❑ TMDL study
- ❑ Public notice for Draft TMDL
- ❑ Final TMDL report
- ❑ EPA & SWCB approval
- ❑ Implementation process



= = > * * Many opportunities for public
input and participation! * *

Next Steps...

- ❑ **30 Day Public Comment Period**
 - Ends April 10th, 2009
 - Comments must include the name, address, and telephone number of the commenter. All comments will receive a written response and will be incorporated into the final report that will be sent to EPA.
- ❑ **Report Submitted to EPA & SWCB for approval**
- ❑ **Implementation Planning**
- ❑ **Implementation**



Questions?? Comments??

Presentations and other handouts available at:
<http://www.deq.virginia.gov/tmdl/mtgppt.html>

Draft Report Link:
<https://www.deq.virginia.gov/TMDLDataSearch/DraftReports.jsp>

Please send written comments or questions to:

DEQ - Piedmont Regional Office

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Glen Allen, VA 23060

Email: mjsmigo@deq.virginia.gov

TMDL Website: <http://www.deq.virginia.gov/tmdl>

